

# pan-keratin Recombinant antibody

Catalog Number: 82548-3-RR

## Basic Information

Catalog Number: 82548-3-RR	GenBank Accession Number: BC024292	Purification Method: Protein A purification
Size: 414 µg/ml	GeneID (NCBI): 3852	CloneNo.: 7J23
Source: Rabbit	UNIPROT ID: P13647	Recommended Dilutions: IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: keratin 5	
Immunogen Catalog Number: AG24184	Calculated MW: 590 aa, 62 kDa	

## Applications

### Tested Applications:

IF/ICC, IHC, ELISA

### Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC : human lung cancer tissue, human oesophagus cancer tissue

IF/ICC : HeLa cells, A431 cells

## Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research biomarkers. Research studies have shown that mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases. This antibody is a pan-keratin antibody.

## Storage

### Storage:

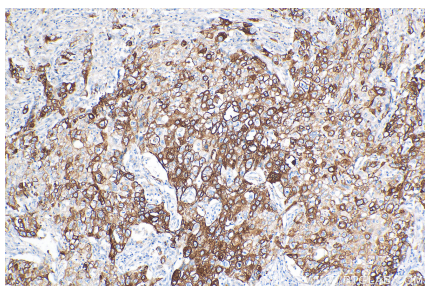
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

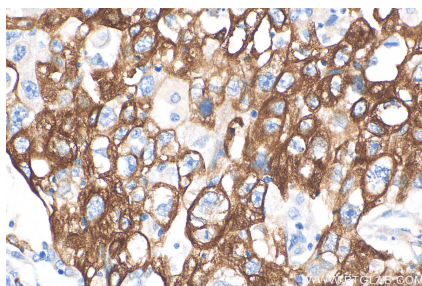
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

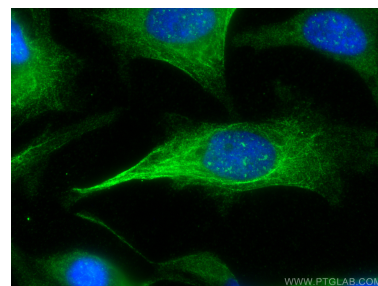
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma tissue slide using 82548-3-RR (KRT5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma tissue slide using 82548-3-RR (KRT5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using KRT5 antibody (82548-3-RR, Clone: 7123 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).